

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/01380

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01P21/02 B60T8/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01P B60T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 32 554 A (ITT MFG ENTERPRISES INC) 4 February 1999 (1999-02-04) page 2, line 58 -page 3, line 61 ---	1-8, 18-20
X	DE 197 35 562 A (ITT MFG ENTERPRISES INC) 18 February 1999 (1999-02-18) column 5, line 57 -column 6, line 40; claims 1-7,10 ---	1-8, 18-20
X	US 5 482 360 A (MEIER THOMAS) 9 January 1996 (1996-01-09) column 1, line 41 -column 2, line 14; claims 1,3 ---	1,7
X	EP 0 657 333 A (SUMITOMO ELECTRIC INDUSTRIES) 14 June 1995 (1995-06-14) column 6, line 37 -column 8, line 42 --- -/--	1,7

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

1 August 2000

Date of mailing of the international search report

09.08.00

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 197 22 116 A (MITSUBISHI ELECTRIC CORP) 4 December 1997 (1997-12-04) abstract; claim 1 ---	1,18
X	US 4 702 337 A (BURCKHARDT MANFRED ET AL) 27 October 1987 (1987-10-27) column 8, paragraph 4 column 12, paragraph 2 ---	9-13,16, 17,21,22
X	DE 40 09 195 A (BOSCH GMBH ROBERT) 26 September 1991 (1991-09-26) column 2, line 38 -column 2, line 49 -----	9-13,21, 22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/01380

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19732554 A	04-02-1999	WO 9906255 A	11-02-1999
DE 19735562 A	18-02-1999	WO 9908914 A	25-02-1999
		EP 1005423 A	07-06-2000
US 5482360 A	09-01-1996	DE 4336080 A	27-04-1995
		DE 59407382 D	14-01-1999
		EP 0649780 A	26-04-1995
		JP 7156783 A	20-06-1995
EP 0657333 A	14-06-1995	JP 7159431 A	23-06-1995
		DE 69412216 D	10-09-1998
		DE 69412216 T	21-01-1999
		KR 139592 B	15-07-1998
		US 5526263 A	11-06-1996
DE 19722116 A	04-12-1997	JP 9315282 A	09-12-1997
		US 5913576 A	22-06-1999
US 4702337 A	27-10-1987	DE 3536185 A	23-04-1987
		FR 2590218 A	22-05-1987
		IT 1199258 B	30-12-1988
		JP 1696987 C	28-09-1992
		JP 3059864 B	11-09-1991
		JP 62094461 A	30-04-1987
		SE 459963 B	28-08-1989
		SE 8604278 A	11-04-1987
DE 4009195 A	26-09-1991	CS 9100720 A	13-05-1992
		DE 59102648 D	29-09-1994
		WO 9114604 A	03-10-1991
		EP 0520992 A	07-01-1993
		JP 2894831 B	24-05-1999
		JP 5504921 T	29-07-1993
		US 5364174 A	15-11-1994